

Water Right Number 2925-3

1. Considered 9-29, 19 16
2. Name of Applicant JEROME T. JOHNSON
3. Post Office Address ELK POINT
4. Amount of water claimed 2.28
5. Source of water supply 100' WELL
6. Water to be used for IRRIGATION
Acres to be irrigated 160
7. Water to be diverted and used in UNION County
about 7 N Miles 1ST of ELK POINT
8. Proof of Publication
Received 1ST 9-28-76
Not received _____
9. Application
Approved _____
Subject to _____
Not approved _____
Action deferred _____
10. Remarks:

May 7, 1980

Jerome T Johnson returned his 1979 Irrigation Questionnaire indicating that he rents his land.

In a conversation with Mrs. Johnson, she indicated that all correspondence should be mailed to the renter, Mr. Darmon Staum, Elk Point, SD, as he has a ten year lease on this property.

Henry

Map No. 2257-3 Water Division No. 3 Big Sioux River District
 (Blanks to be filled by the Engineer for the W. H. C.)



APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Jerome T. Johnson
 Postoffice address Elk Point, State South Dakota 57025
 If a corporation show date and place of incorporation None
 2. Method of accomplishing work (Contract, employment of others, or by direct labor) Contract
 3. Name of diversion work Johnson Irrigation Project
 4. Amount of water claimed (cubic feet per second) 2.7 CFS 2.28 MAXIMUM AVAILABLE
 5. Source of water supply Well
 6. Location of point of diversion 1320 feet east and 1320 feet North of the SW corner of
Section 24, T92N R50W
Union County
 7. Annual period or periods during which water is to be used June through September
 8. Use to be made of water, (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
 9. For irrigation use, Total number of acres to be irrigated 160 acres

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each.

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
SW 1/4 section 24, T92N R50W	160 ac.		

Attach E if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proper official use 5 years.
 11. Choice of newspaper for Notice of Intent to appropriate Water publication Lender-Courier, Elk Point, S.D.
 12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

B. Works proposed to transport water to place of use.

C. Works proposed to apply water to beneficial use.

Center Pivot

Estimated Total Cost \$ 10,000.00

Attachments: Attach Form 2A if diversion from well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA

County of UnionI, Jerome T. Johnson

the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Subscribed and sworn to before me this

Signed Jerome T. Johnsonday of September 1976

Notary Public (or other qualified officer)

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 2925-3
SEROMIE T. JOHNSON ELK POINT
 (Applicant) (Post Office Address)
SOUTH DAKOTA 57025 With the following modifications.
 (State)

The irrigation well approved under this Permit will be located near domestic wells and other irrigation wells which may obtain water from the same aquifer. The irrigation well owner, under this Permit, shall control his irrigation withdrawals so there is not a reduction of needed water supplies in existing domestic wells or in irrigation wells having prior water rights.

Date of first receipt of application SEPTEMBER 2, 19 76
 Date of return to applicant for correction, amendments or changes required _____, 19 ____
 Date of receipt of corrected application _____, 19 ____
 Approved SEPTEMBER 30, 19 76, Recorded in Book 16, Page 49

WATER RIGHT PERMIT NO. 2925-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 2925-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is SEPTEMBER 2, 19 76
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before MARCH 30, 19 79
3. The whole of said work is to be completed on or before SEPTEMBER 30, 19 81
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is SEPTEMBER 30, 19 81
5. The water appropriated shall be used for the purpose of IRRIGATION

6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed 2.28 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is

actually and beneficially applied for irrigation on or before SEPTEMBER 30, 19 81; said water to be used during the following described annual period: JUNE THRU SEPTEMBER

Witness my hand, this 24TH day of NOVEMBER, 19 76

WATER RIGHTS COMMISSION

By:

John Hatch
 Chief Engineer, Executive Officer

Certificate of Construction Issued FEBRUARY 27, 19 78

Water License Issued FEBRUARY 6, 19 78

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter 30 inches, Depth 100 feet
- (2) Casing Type Transite Diameter 16" I.D. Thickness 3/4 inch
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type 1/8 inch slotted, Diameter 16" I.D., Length 20 feet
- (4) Gravel Pack, Thickness 6 - 9 inches, Length of gravel pack 20 + feet

E. Dugout Information or Estimates

- (1) Surface dimensions - - - -, Depth - - - -

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials waterbearing gravel and rock

Depth to top of water bearing material 20 feet

Depth to bottom of water bearing material 100 feet

Thickness of water bearing material 80 feet

Depth to water (ground surface to water level) 14 foot drawdown

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property 60 rds. On property owned by others 120 rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

Jerome T. Johnson X
Signature of Applicant

Permit No. 2925-3

Water Diversion No. 3 Big Sioux River Water District

CERTIFICATE OF CONSTRUCTION

This is to Certify, That Jerome T. Johnson

_____ the holder _____ of
Permit No. 2925-3, issued upon Application No. 2926-3, bearing date of priority of September 2,
1976 authorizing the diversion of 2.28 cu. ft. per second of the waters of _____
ground water _____ Union
_____ County of _____, State of South Dakota at _____
a point 1320'N and 1320'E of the SW corner, Section 24, T92N, R50W

_____, for _____ irrigation

purposes, has 5 complied with the provisions of the laws of the State of South Dakota relating to proof of completion of the works of diversion set out and described in said Permit; that said works are found in satisfactory condition for diverting and conveying to the place of intended use 2.12 cu. ft. per second of water.

February 6, 1978

By: WATER RIGHTS COMMISSION

John Hatch
JOHN HATCH, Chief Engineer

STATE OF SOUTH DAKOTA

WATER LICENSE NO. . . 2925-3

(1) WHEREAS, On the 2nd day of September A. D. 19 76

Jerome T. Johnson

made Water Right Application No. 2925-3 for a permit to use 2.28 cubic feet per second of the waters of ground water

County of Union, State of South Dakota, for irrigation.

—purposes; and

(2) WHEREAS, On the 24th day of November A. D. 1976

Permit No. 2925-3, with a date of priority of September 2, 1976

was issued to said applicant _____ for the diversion of said water, and provided for the completion of construction of the water supply system therein described on or before the 30th day of September A. D. 1981 and for the application to beneficial use of said water on or before the 30th day of September A. D. 1981

and:

(3) WHEREAS, it is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to completion of the construction of the water supply system and is entitled to divert 1.73 cubic feet per second of water for beneficial use and,

(4) WHEREAS, It is hereby certified that the applicant has complied with the provisions of the laws of the State of South Dakota relating to the application of water to beneficial use of the following extent,

for irrigating a 122 acre circle in the SW¹/₄ Section 24, T90N, R50W

(5) NOW, THEREFORE, By the virtue of the authority vested in us by the laws of the State of South Dakota, We hereby grant and confirm to Jerome T. Johnson

_____ of Elk Point
the holder _____ and owner _____ of said permit No 2925-3 a water right, dating from September 2, 1976

_____ to use of 1.73 cubic feet per second of the waters
of groundwater

in the County of Union and State of South Dakota, or so much thereof as may be necessary for the
purposes hereinbelow mentioned, to be diverted at _____

a point 1320'N and 1320'E of the SW corner, Section 24, T92N, R50W

and conduct to and upon for irrigating a 122 acre circle in the SW 1/4, Section 24,
T92N, R50W

for the purpose of irrigation

Subject to any limitations listed in Water Right Permit No 2925-3 and subject to the laws of the State of South Dakota.

WITNESS, My hand and seal of our office at Pierre, South Dakota
this 6th day of February A. D.
Nineteen Hundred and seventy-eight

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

JOHN HATCH



August 12, 1976

Jerome T. Johnson
Elk Point, SD 57025

Dear Mr. Johnson:

Your original of the report of analysis on your water sample #76-880 is enclosed for your keeping. I am also enclosing a copy of AFS publication 13 with the quality of this water for irrigation purposes designated approximately by means of a red cross on the chart on the outside back cover. It is in the high salinity, low sodium category.

Accordingly, this water is fairly well suited to irrigation in the climatic zone of Union County except that it is high in salt and that it requires some special management consideration on that account. You should never use this water in small amounts and frequently, such as application of one inch per week throughout the months of July and August. This procedure will rapidly accelerate the buildup of salt in the surface foot or so of soil and cause diminishing crop yields to occur within two or three years. The opposite should be your common practice. The use of substantial amounts, such as three inches or more, and irrigating as infrequently as possible. If salt accumulations occur in spite of this procedure, you should endeavor to completely refill the soil profile each fall just before freezeup and hope for some leaching as a result of winter and spring precipitation. The soils which you have are fairly well drained in spite of the silty loam texture, and if your application rates are not too high in terms of inches per hour, you should get effective movement of water into soil and through it occasionally.

A copy of this letter is accompanying the water analysis and the WI-1 form to the State Conservation Commission in Pierre.

Sincerely yours,

L. O. Fink

L. O. Fink
Water Quality Lab

cc: State Conservation Commission
Elk Point, County Extension Office
D. Fink

LOF:jed
Fink:mdc

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED WELL IRRIGATION ONLY)

DISAPPROVED

NAME Jerome G. Johnson
ADDRESS Elk Point, South Dakota
COUNTY Union



1. WELL LOCATION Southwest Quarter of Section Twenty four (24), Twp. 92, N., Rge 50 W.,
of the 5th P. M.

2. AREA TO BE IRRIGATED 150 acres as described above.

3. GRAVITY _____ SPRINKLER (INDICATE TYPE) Sprinkler-Center pivot

4. CROPS TO BE IRRIGATED Corn Soybeans

5. PERCENTAGE OF SLOPE 0-2 % slope

6. PHYSICAL SOILS CLASSIFICATION FOR IRRIGATION (4A) Keweenaw silty clay loam class I,
Soils 26-A Keweenaw and 27 Graceville silty clay loam as shown on maps.

7. SAMPLE NUMBER 116-862

8. SALINITY EC = 1977 micromhos/cm (avg)

9. SODIUM SAR = 1.61 (low)

I DO HEREBY CERTIFY THAT A CHEMICAL ANALYSIS OF THE GROUND WATER TO BE
ACQUIRED FOR IRRIGATION FROM SOUTH DAKOTA STATE UNIVERSITY AND:
THE LAND CAPABILITY FOR IRRIGATION INFORMATION HAS BEEN ACQUIRED FROM

Soil Conservation Service

AND:

THAT THE LEGAL DESCRIPTION FOR THE LOCATION OF THE WELL AND LAND TO BE
IRRIGATED IS TRUE AND CORRECT.

Jerome T. Johnson
Jerome T. Johnson

SUBSCRIBED AND SWORN BEFORE ME THIS

12th DAY OF July, 19 76

Robert M. May

Notary Public
(TITLE) Notary Public

REPORT OF ANALYSIS
 Water Quality Laboratory
 Water Resources Research Institute
 South Dakota State University
 Brookings, South Dakota 57006

Submitted by: _____ Date Rec'd: _____
 Address: _____ Sample No.: _____
 Identification: _____

WATER ANALYSIS

Calcium (Ca)	117	ppm	11.7	me/l**
Magnesium (Mg)	57	ppm	5.7	me/l
Sodium (Na)	117	ppm	11.7	me/l
Potassium (K)	10	ppm	1.0	me/l
Sulfate (SO ₄)	925	ppm	92.5	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	53	ppm	5.3	me/l
Bicarbonate (HCO ₃)	351	ppm	35.1	me/l
Carbonate (CO ₃)		ppm		me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	200	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	0	ppm (as CaCO ₃)		
Electrical Conductivity	1577	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	2.61			
Sodium	28.00	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	7.57			
Others:				

*ppm=parts per million
 **me/l=milliequivalents per liter
 ***g.p.g.=grains per gallon

COMMENTS: Total cations 28.45 me/l
 Total anions 26.75 me/l



By: Shirley Sutton

Service Performed	Amount Due
Irrigation analysis	\$2.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. _____ Amount Enclosed \$ _____

Signed _____



1674-3

Department of Natural Resource Development

WATER RIGHTS COMMISSION

Office Building Number 2, Pierre, South Dakota 57501

Phone 605/224-3151

May 14, 1974

Mr. Jerome T. Johnson
Elk Point
South Dakota 57025

Dear Mr. Johnson:

On May 8, 1974, Mr. Burton Jones of this office contacted you about your Water Permit No. 1674-3 authorizing the diversion of 2.2 cubic feet per second of water from ground water to irrigate 152 acres.

You indicated the system had not been constructed.

South Dakota Water Laws provide that the water diversion system is to be completed within a five year period after the permit is approved. The expiration date of the five year period for Water Permit No. 1674-3 was May 7, 1974.

Therefore cancellation of Water Permit No. 1674-3 will be considered by the Water Rights Commission at 3:30 P.M., D.S.T., on July 17, 1974 at its office in Pierre, South Dakota.

Sincerely,

Donald Driscoll

DONALD DRISCOLL
Chief Engineer

ED/BEJ/bw

P.S. You indicated that you may wish to construct the system in the future. If so, please contact this office.

Have decided to put in a well

Jerome T. Johnson

REPRODUCTION. REACTION 25-1 ROLL NO 36 4-19-82 DATE MICROFILMED 5/10/82

Form 6 - Notice of Intent to Appropriate Water

No. 2925-3

Publish first publication, on or before September 16, 19 76

NOTICE
INTENT TO APPROPRIATE WATER

Pierre, South Dakota 57501

September 7, 19 76

Notice is hereby given that Jerome T. Johnson
whose post office address is Elk Point, South Dakota, has made an application in accordance
with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use
2.28 cubic feet of water per second of time from the ground water through the
J. T. Johnson # 1, the point of diversion of which is to be located in the _____

Center of the SW 1/4
of Section 24, Twp. 92N, Range 50W. Said water to be used for the purpose
of providing irrigation on ^{portions of} the following described land:

SW 1/4, Section 24, T92N, R50W

This application No. 2925-3 will be considered by the Water Rights Commission at their office at
Pierre upon the 29th day of September, 19 76, at 10:00 A.M. All interested
persons may appear and be heard.

WATER RIGHTS COMMISSION

By:

BURTON F. JONES
Water Rights Specialist

BFJ/bw

cc: Jerome T. Johnson, Elk Point, S. D. 57025

160
See R
46

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Union) ss.

I, Jerome T. Johnson hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Leader Courier

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the

City of Elk Point
County of Union and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

September 16, 1976

September 23, 1976

[Signature]
(Signature)

[Signature]
(Title)

September 23, 1976
(Date Signed)

NOTICE OF INTENT TO
APPROPRIATE WATER

Pierre, South Dakota

September 7, 1976

Notice is hereby given that Jerome T. Johnson whose post office address is Elk Point, South Dakota, has made an application in accordance with the provisions of the water laws of South Dakota for a permit to appropriate for beneficial use 2.28 cubic feet of water per second of time from ground water through the J. T. Johnson #1, the point of diversion of which is to be located in the Center of the SW 1/4 of Section 24, Twp. 92N, Range 50W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

SW 1/4, Section 24, T92N, R50W

This application No. 2025-3 will be considered by the Water Rights Commission at their office at Pierre upon the 29th day of September, 1976, at 10:00 A.M. All interested persons may appear and be heard.

WATER RIGHTS COMMISSION

By: Burton F. Jones

Water Rights Specialist

(Pub. Sept. 16, 23)



Form 10.

No. _____

NOTICE OF COMPLETION OF WORKS AND/OR
APPLICATION OF WATER TO BENEFICIAL USE

Post Office ELK POINT, S.D. 57015
Date 1/11/77

TO: Water Rights Commission
Joe Foss Building
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to the maximum extent it is going to be used, not exceeding the amounts as specified in Water Right Permit No. 29753.

Water Right Permit No. 2975-3 states that the diversion system is to be constructed by Sept 30, 1981 and that the water is to be put to beneficial use by Sept 30, 1981.

The diversion system was completed on Jan 10, 1977.

Applying the water to beneficial use was completed on _____,
19____. Water will be applied starting in
Spring 1977

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.



Jerome T. Pison
(Signature)

Permit No. 2425-3Water Division 3 Big Sioux River Water DistrictREPORT OF EXAMINATION OF WORKS
AND/OR APPLICATION OF WATER TO BENEFICIAL USE

TO: Water Resources Commission, State Office Building No. 2, Pierre, South Dakota 57501

I have this day made a thorough examination of the water use system constructed by Jerome T. Johnson of Elk Point, S. Dak 57025 holder of Permit No. 2425-3, bearing date of priority of September 2, 1976, authorizing the diversion of 2.25 cu. ft. per second of the waters of Ground for Irrigation purposes, in Union County.

I have to report on the condition of the same as follows:

The Water Use System consists of,

A. Works used to divert the water:
Meter US. Electrical IP# R- 6327-00-958 R2102245
75 HP, 1770 RPM
Pump WetLine # 51351K, 3 stages, 12KEH Bowl.

B. Works used to transport water to place of use,
8" Aluminum Pipe

C. Works used to apply water to beneficial use.
Lockwood Center Pivot

The system is in the following condition: Excellent

The point of diversion is located 1320 ft North and 1320 ft East of the SW
Corner of Section 24, T92N R56W

The works are capable of diverting and conveying to the place of use 2.12
cu. ft. per second of water which is to be used for Irrigation

Water has been put to beneficial use to the maximum extent as follows: All in Sec 24, T92N R56W

NW 1/4 SW 1/4 - 33.0 Ac. NE 1/4 SW 1/4 - 33.0 Ac. SW 1/4 SW 1/4 - 30.0 Ac.
SE 1/4 SW 1/4 - 26.0 Ac.

comprising a total of 122 acres of land.

Well Data:

Depth 104 ftCapacity - 950 gpm +

Date May 31 1977
Leroy J. Mervish
(Signature)



Department of Natural Resource Development

WATER RIGHTS COMMISSION
Joe Foss Building, Pierre, South Dakota 57501
Phone 605/224-3151

February 13, 1978

Jerome T. Johnson
Elk Point, SD 57025

Dear Mr. Johnson:

Enclosed herewith are, Water License No. 2925-3 and Certificate of Construction.

Water License No. 2925-3 is the final water right document completing your process of obtaining water right.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water.

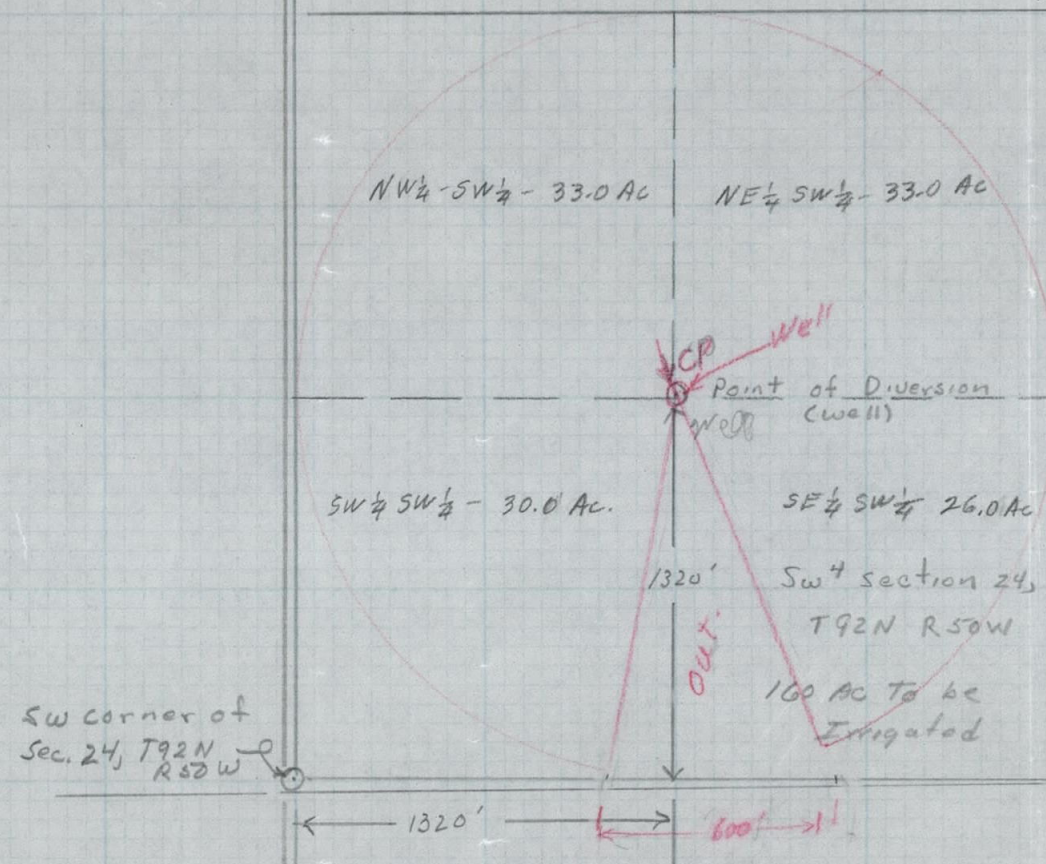
Very truly yours,

JOHN HATCH, Chief Engineer
WATER RIGHTS COMMISSION

JH: SY

Enclosures

NOTE: Your pump capacity is 2.12 cfs (952 gpm). Based upon the acreage actually irrigated you are entitled to divert only 1.73 cfs (777 gpm). Any diversion in excess of 1.73 cfs would be a violation of your water right.



Scale 8 inches = 1 mile

Jerome T. Johnson
Elk Point, South Dakota
Johnson Irrigation Project

160 AC. To be Irrigated

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <u>J. M. Boline</u>	Date <u>8/30/76</u>	Approved by <u>J. M. Boline</u>
Drawn <u>J. M. Boline</u>	Title <u>SCS Plan</u>	Date <u>8/30/76</u>
Traced	Sheet	Drawing No.
Checked	No	
	of	